

1. A wireless mobile device adapted to access a wireless network comprising:
a subscriber identification module (SIM) card slot;
a magnetic stripe reader module electrically connected to said SIM card slot; and
wherein said magnetic stripe reader module is adapted to receive and read
5 information stored in a magnetic stripe and transmit said information to an entity via said
wireless network.
2. The wireless mobile device of claim 1 further comprising a payment card
comprising said magnetic stripe and wherein said information is selected from a group
10 consisting of payment card owner identification information, payment card identification
information, authentication information, payment card issuer information, and financial
institution information.
3. The wireless mobile device of claim 1 further comprising;
15 a memory;
a Central Processing Unit (CPU);
a SIM card connected to said SIM card slot, said SIM card authenticating said
wireless mobile device to said wireless network; and
a first application program associated with said memory and said CPU and being
20 adapted to receive and transmit instructions from said magnetic stripe reader module to
said wireless mobile device and the reverse.
4. The wireless mobile device of claim 3 further comprising a second application
program associated with said memory and said CPU and being adapted to route and
25 transmit data and information between said wireless mobile device, said magnetic stripe
reader module, and other interfaces connected to said CPU.
5. The wireless mobile device of claim 4 wherein said other interfaces are selected
from a group consisting of smart card interfaces, infrared transceiver interfaces, serial
30 communication interfaces, and contactless card reader interfaces.

6. The wireless mobile device of claim 4 wherein said other interfaces comprise an infrared transceiver adapted to transmit data to an external device equipped with another infrared transceiver.
- 5 7. The wireless mobile device of claim 6 wherein said external device comprises a printer.
8. The wireless mobile device of claim 4 wherein said first and second application programs are stored in storage selected from a group consisting of said CPU, said SIM
10 card, an external SIM card, said magnetic stripe, and an external card.
9. The wireless mobile device of claim 1 wherein said wireless mobile device is selected from a group consisting of a mobile phone, a personal digital assistant, a pager, a wireless laptop computer, a personal computer, a television remote control, and
15 combinations thereof.
10. The wireless mobile device of claim 1 wherein said wireless network is selected from a group consisting of a wireless wide area network (WWAN), a wireless local area network (WLAN), a private network, and a personal area network (PAN).
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11. The wireless mobile device of claim 10 wherein said wireless wide area network (WWAN) is selected from a group consisting of a Global System for Mobile Communications (GSM), a General Packet Radio Service (GPRS), a Code Division Multiple Access (CDMA), CDMA 2000, and wideband CDMA (WCDMA).
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12. The wireless mobile device of claim 1 wherein said wireless mobile device is used for making financial transactions between a user and said entity with a payment card comprising said magnetic stripe over said network.
- 30 13. The wireless mobile device of claim 12 wherein said financial transactions between said user and said entity are face-to-face.

14. The wireless mobile device of claim 12 wherein said financial transactions between said user and said entity are remote.
- 5 15. An electronic communication method comprising:
purchasing a good or a service from a merchant;
paying with a payment card comprising a magnetic stripe via a wireless mobile device; and
wherein said wireless mobile device is adapted to access a wireless network and
10 comprises a subscriber identification module (SIM) card slot and a magnetic stripe reader module electrically connected to said SIM card slot and wherein said magnetic stripe reader module is adapted to receive and read information stored in said magnetic stripe and transmit said information to an entity via said wireless network.
- 15 16. An electronic payment method utilized by a customer to pay a merchant with a payment card comprising a magnetic stripe for a face-to-face purchase of a good or service comprising:
placing an order by said customer for said purchase of said good or service to said merchant;
20 providing a wireless mobile device wherein said wireless mobile device is adapted to access a wireless network and comprises a subscriber identification module (SIM) card slot and a magnetic stripe reader module electrically connected to said SIM card slot and wherein said magnetic stripe reader module is adapted to receive and read information stored in said magnetic stripe and transmit said information via said wireless
25 network;
entering information of said purchase in said wireless mobile device;
swiping said magnetic stripe through said magnetic stripe reader, retrieving payment card identification information from said magnetic stripe and authorizing payment for said good or service;

formatting said purchase information, said payment card identification information and said payment authorization into a first message and sending said first message to an authentication server via said wireless network;

5 authenticating and sending said first message by said authentication server to a financial institution;

registering said purchase information and sending approval for said payment by said financial institution to said authentication server;

forwarding said payment approval to said wireless mobile device; and

fulfilling said order to said customer by said merchant.

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17. The electronic payment method of claim 16 wherein said first message comprises a format selected from a group consisting of Short Message Service (SMS), General Packet Radio Service (GPRS), Transmission Control Protocol/Internet Protocol (TCP/IP), User Datagram Protocol (UDP), Simple Mail Transmission Protocol (SMTP), Simple
15 Network Management Protocol (SNMP), and proprietary message formats.

18. The electronic payment of claim 16 further comprising printing a receipt.

19. An electronic payment method utilized by a customer to pay a merchant with a
20 payment card comprising a magnetic stripe for a remote purchase of a good or service comprising:

placing an order by said customer for said purchase of said good or service to a merchant server via a first network and choosing to pay via a wireless mobile device wherein said wireless mobile device is adapted to access a wireless network and
25 comprises a subscriber identification module (SIM) card slot and a magnetic stripe reader module electrically connected to said SIM card slot and wherein said magnetic stripe reader module is adapted to receive and read information stored in said magnetic stripe and transmit said information via said wireless network;

providing said merchant server with an identification information for said wireless
30 mobile device;

creating a digital order comprising purchase information and said identification number for said wireless mobile device by said merchant server;

routing said digital order to an authentication server via said first network;

formatting said digital order into a first message wherein said first message is
5 adapted to be transmitted over said wireless network;

routing said first message over said wireless network to said wireless mobile device;

displaying said first message on said wireless mobile device;

requesting and receiving authorization of payment from the customer via said
10 wireless mobile device;

swiping said magnetic stripe through said magnetic stripe reader and retrieving payment card identification and security information;

formatting authorization result and payment card identification and security information into a second message and routing said second message to said
15 authentication server;

authenticating and routing said second message to a financial institution, wherein said financial institution is the issuer of said payment card; and

approving and executing said payment at said financial institution.

forwarding said payment approval to said authentication server and from said
20 authentication server to said wireless mobile device; and

fulfilling said order to said customer by said merchant.

20. The electronic payment method of claim 19 wherein said wireless mobile device is selected from a group consisting of a mobile phone, a personal digital assistant, a
25 pager, a wireless laptop computer, a personal computer, a television remote control, and combinations thereof.

21. The electronic payment method of claim 19 wherein said wireless network is selected from a group consisting of a wireless wide area network (WWAN), a wireless
30 local area network (WLAN), a private network, and a personal area network (PAN).

22. The electronic payment method of claim 19 wherein said wireless wide area network (WWAN) is selected from a group consisting of a Global System for Mobile Communications (GSM), a General Packet Radio Service (GPRS), a Code Division Multiple Access (CDMA), CDMA 2000, and wideband CDMA (WCDMA).

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23. The electronic payment method of claim 19 wherein said first and second messages comprise a format selected from a group consisting of Short Message Service (SMS), General Packet Radio Service (GPRS), Transmission Control Protocol/Internet Protocol (TCP/IP), User Datagram Protocol (UDP), Simple Mail Transmission Protocol (SMTP), Simple Network Management Protocol (SNMP), and proprietary message formats.

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